



SEQUENCE LISTING

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ENGELHARDT, DEAN L.

<120> NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING
COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE

<130> ENZ-53 (D5)

<140> 08/978,637
<141> 1997-11-25

<150> 08/574,443
<151> 1995-12-15

<160> 63

<170> PatentIn Ver. 3.2

<210> 1
<211> 20
<212> PRT
<213> Influenza B virus

<400> 1
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1 5 10 15

Met Ile Ala Gly
20

<210> 2
<211> 20
<212> DNA
<213> Bacteriophage T7

<400> 2
tgctctctaa gggctactc 20

<210> 3
<211> 15
<212> DNA
<213> Simian virus 40

<400> 3 ctctaaggta aatat	15
<210> 4 <211> 16 <212> DNA <213> Simian virus 40	
<400> 4 tgtattttag attcaa	16
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<210> 10
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
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<400> 10
ggaattcgta tcgagctctg atcaccacca tggacacgat taacatcgc 49

<210> 11
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 11
gactagttgg tctcggtctt tttttggagg agtgtcggttc tttagcgatgt taatc 55

<210> 12
<211> 46
<212> DNA
<213> Artificial Sequence

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<400> 12
ggaattcgta tcggagaaag gtaaaattct ctgacatcga actggc 46

<210> 13
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
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<400> 13
gactagtggt ctcccccttag agagcatgtc agc 33

<210> 14
<211> 33
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<400> 14
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<210> 15
<211> 27
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 15
gactagtcgt tacgcgaacg caaagt 27

<210> 16
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
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<400> 16
ggaattcgtc tctaaggtaa atataaaatt tttaag 36

<210> 17
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
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<400> 17
gactagtcgt ctctgaccct aaaatacaca aacaattaga 40

<210> 18
<211> 92
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18
ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60
ctcctccaaa aaagagacga gaccaactag tc 92

<210> 19
<211> 92

<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 19
gactagttgg gctcgctct ttttggagg aggggcgttc ttagcgatgt taatcgtgtc 60
catggtgta tgcagagctc gagacgaatt cc 92

<210> 20
<211> 73
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 20
ggaattcgtc gcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60
ctcctccaaa aaa 73

<210> 21
<211> 77
<212> DNA
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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 21
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agctcgagac gaattcc 77

<210> 22
<211> 13
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 22
ggaattcgtc tcg 13

<210> 23
<211> 33
<212> DNA
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<400> 23		
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<210> 26		
<211> 106		
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ctcctccaaa aaagagaaaag gtaaaattct ctgacatcga actggc	106	
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atgttaatcg tgtccatgggt ggtagtcaga gctcgagacg aattcc	106	

<210> 28
<211> 50
<212> DNA
<213> Bacteriophage T7

<400> 28
atggacacga ttaacatcgc taagaacgac ttctctgaca tcgaactggc 50

<210> 29
<211> 50
<212> DNA
<213> Bacteriophage T7

<400> 29
gccagttcga tgtcagagaa gtcgttctta gcgatgttaa tcgtgtccat 50

<210> 30
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 30
atggacacga ttaacatcgc taagaacgac actcctccaa aaaagagaaaa ggtaaaattc 60
tctgacatcg aactggc 77

<210> 31
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 31
gccagttcga tgtcagagaa ttttacctt ctcttttg gaggagtgtc gttcttagcg 60
atgttaatcg tgtccat 77

<210> 32
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 32
gatcattaga ccagatctga gcctgggagc tctctggcta actaggaaac ccactgctta 60

agcctcaag 69

<210> 33
<211> 69
<212> DNA
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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 33
gatccttgag gcttaagcag tgggtccct agtttagccag agagctccc ggctcagatc 60
tggtctaatt 69

<210> 34
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 34
gatcacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60
g 61

<210> 35
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 35
gatccttgag gaggtcttcg tcgctgtctc cgcttcttcc tgccatagga gagcctaagg 60
t 61

<210> 36
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 36
gatcatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60
ag 62

<210> 37

<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 37
gatcctggga ggtgggtctg aaacgataat ggtgagtttc cctgcctaac tctattcact 60
at 62

<210> 38
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 38
aatcttagagc taacaaagcc cgaaaggaag 30

<210> 39
<211> 28
<212> DNA
<213> Artificial Sequence

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<400> 39
ttctgcagat atagttcctc ctttcagc 28

<210> 40
<211> 70
<212> DNA
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<220>
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<400> 40
tcgagccatg gcttaaggat ccgtacgtcc ggagctagcg ggcccatcga tactagttaa 60
atcgatct 70

<210> 41
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 41
ctagagatct gcatttaact agtatcgatg ggcccctag ctccggacgt acggatcctt 60
aagccatggc 70

<210> 42
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 42
catgaaatta attcgactca ctatacgga 29

<210> 43

<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 43
gatctccgta tagtgagtgc aattaattt 29

<210> 44
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 44
gatccggatt gaggcttaag cagtgggttc cctagttgc cagagagctc ccaggcttag 60
atctggtcta at 72

<210> 45
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 45
cccgattaga ccagatctga gcctgggagc tctctggcta actaggaaac ccactgctta 60
agctcaatc cg 72

<210> 46

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 46

gatccggacc ttgaggaggt cttcgtcgct gtctccgctt cttcctgcc a taggagagcc 60
taaggt 66

<210> 47

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 47

ccggaccta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60
ggtccg 66

<210> 48

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 48

gatccggatg ggaggtgggt ctgaaacgat aatggtgagt atccctgcct aactctattc 60
actat 65

<210> 49

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 49

ccggatagtg aatagaggtt ggcaggata ctcaccatta tcgtttcaga cccacctccc 60
atccg 65

<210> 50

<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 50
gatcagcatg cctgcaggc gactctagac ccgggttaccg agctcgccct atagttagtc 60
gtattat 67

<210> 51
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 51
ccggataata cgactcacta tagggcgagc tcggtagcccg ggtctagagt cgacctgcag 60
gcatgct 67

<210> 52
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 52
tttttttttt tt 12

<210> 53
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 53
aaaaaaaaaa aaaaaa 15

<210> 54
<211> 15
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 54

ttttttttt ttttt

15

<210> 55

<211> 20

<212> DNA

<213> Simian virus 40

<400> 55

gagtagaccc ttagagagca

20

<210> 56

<211> 15

<212> DNA

<213> Simian virus 40

<400> 56

gagattccat ttata

15

<210> 57

<211> 17

<212> DNA

<213> Simian virus 40

<400> 57

acataaaaat ctaagtt

17

<210> 58

<211> 19

<212> DNA

<213> Simian virus 40

<400> 58

tataaatggaa atctctcggt

19

<210> 59

<211> 19

<212> DNA

<213> Simian virus 40

<400> 59

ctcatctggg attttatgt

19

<210> 60
<211> 164
<212> DNA
<213> Homo sapiens

<400> 60
atacttacct ggcaggggag ataccatgat cacgaaggtg gttttccag ggcgaggcct 60
atccattgca ctccggatgt gctgaccct gcgatttcgc caaatgtggg aaactcgact 120
gcataatttgc tggtagtgaa ggactgcgtt cgcgcgttcc cctg 164

<210> 61
<211> 191
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic U1
construct with Anti-A

<400> 61
atacttacct ggcaggggag ataccatgat ccggattgag gcttaagcag tgggttccct 60
agtttagccag agagctccca ggctcagatc tggtagtatacg cgatgtgct gaccctgcg 120
atttccccaa atgtggaaa ctcgactgca taatttgagg tagtggggga ctgcgttcgc 180
gctttccct g 191

<210> 62
<211> 181
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic U1
construct with Anti-B

<400> 62
atacttacct ggcaggggag ataccatcgac accttggagg ggtttcgatc gctgtctccg 60
ctttttccctg cgataggaga gcctaaggatc cgatgtgct gaccctgcg atttccccaa 120
atgtggaaa ctcgactgca taatttgagg tagtggggga ctgcgttcgc gctttccct 180
g 181

<210> 63
<211> 178
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic U1
construct with Anti-C

<400> 63

atacttacct ggcaggggag ataccatgat aatgggaggt gggtctgaaa cgataatgg 60
gagtatccct gcctaagtct attcaactatc atgtgctgac ccctgcgagt tccccaaatg 120
tgggaaactc gactgcataa tttgtggtag tgggggactg cgtccgcgct ttcccctg 178